



FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	SERIAL NO. 10/625,380	ATTORNEY DOCKET NO. 1053.2.2
	FILING DATE July 23, 2003	GROUP ART UNIT
	APPLICANT(S): Mark J. Hagmann	

REFERENCE DESIGNATION**U.S. PATENT DOCUMENTS**

EXAMINE R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
JS	A1	3,958,189	05/18/1976	Sprangle et al.	331/94.5 PE	06/04/1975
↑	A2	4,888,776	12/19/1989	Dolezal et al.	372/2	12/13/1988
↓	A3	4,912,367	03/27/1990	Schumacher et al.	315/3.5	04/14/1988
↓	A4	6,100,640	08/08/2000	Cathey et al.	315/169.3	05/20/1998
D	A5	6,204,606	03/20/2001	Spence et al.	315/111.21	09/28/1999

FOREIGN PATENT DOCUMENTS

EXAMINE R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION	
						YES	NO

NON-PATENT DOCUMENTS

EXAMINE R INITIAL		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

EXAMINER David v n	DATE CONSIDERED 8/31/04
------------------------------	-----------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



10/625380

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	SERIAL NO. Not yet assigned	ATTORNEY DOCKET NO. 1053.2.2
	FILING DATE July 23, 2003	GROUP ART UNIT
	APPLICANT(S): Mark J. Hagmann	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION	
						YES	NO

NON-PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)
D	A1	Peter H. Siegel, Fellow, IEEE "Terahertz Technology", IEEE Transactions on Microwave Theory and Techniques, Vol. 50, NO. 3 March 2002; pg 910-928
↑	A2	E.R. Brown, F. W. Smith and K.A. McIntosh "Coherent Millimeter-wave Generation by Heterodyne Conversion in Low-temperature-grown GaAs Photoconductors", J. Appl. Phys. 73 (3), 1 February 1993; pg 1480-1463
↓	A3	Mark J. Hagmann "Stable and Efficient Numerical Method for Solving the Schrodinger Equation to Determine the Response of Tunneling Electrons to a Laser Pulse", International Journal of Quantum Chemistry, Vol. 70, pg. 703-710 (1998) no. 4/5
D	A4	L. Arnold and W. Krieger, H. Walter "Laser-frequency mising using the scanning tunneling microscope", J. Vac Sci. Technol. A 6 (2), Mar/Apr 1988; pg 466-469

EXAMINER	David un	DATE CONSIDERED	8/31/04
----------	----------	-----------------	---------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



2	A5	Mark J. Hagmann "Simulations of photon-assisted field emission: their significance in basic science and device applications", Ultramicroscopy 79 (1999); pg. 115-124
↑	A6	Mark J. Hagmann "Simulations of the generation of broadband signals from DC to 100 THz by photomizing in laser-assisted field emission", Ultramicroscopy 73 (1998); pg. 89-97
	A7	S.K. Masalmeh, H.K.E. Stadermann, J. Korving "Mixing and rectification properties of MIM diodes", Physica B 218 (1996); pg. 56-59
	A8	Mark J. Hagmann "Stimulations of Laser-Assisted field Emission Within the Local Density Approximation of Kohn-Sham Density-Functional Theory", International Journal of Quantum Chemistry, Vol. 65, No. 5, pg. 857-865 (1997)
	A9	Mark J. Hagmann "Single-Photon and Multiphoton Processes Causing Resonance in the Transmission of Electrons by a Single Potential Barrier in a Radiation Field", International Journal of Quantum Chemistry, Vol. 75 No. 4/5, pg 417-427 (1999)
	A10	Mark J. Hagmann "Mechanism for Resonance in the Interaction of Tunneling Particles with Modulation Quanta", J. Appl. Phys. 78 (1), 1 July 1995; pg. 25-29
	A11	Alexandre Mayer and Jean-Pol Vigneron "Quantum-Mechanical Simulations of Photon-stimulated field emission by Transfer Matrices and Green's functions", Physical Review B, Vol. 62, No. 15 Dec. 2000-1; pg. 16 138- 16 145
	A12	Mayer, N. M. Miskovsky, and P.H. Cutler "Photon-stimulated field Emission from Semiconducting (10, 0) and Metallic (5, 5) carbon Nanotubes", Physical Review B, Vol. 65, 195416; pg. 195416-1 - 195416-6
	A13	A. Mayer, N. M. Miskovsky and P.H. Cutler "Three-dimensional Simulations of Field Emission through an Oscillating Barrier from a (10,0) Carbon Nanotube", J. Vac. Sci. Technol. B 21(1), Jan/Feb 2003; pg. 395-399
	A14	Georg Goubau "Surface Waves and Their Application to Transmission Lines", Journal of Applied Physics, Vol. 21 Nov. 1950; pg 1119-1128
	A15	Karen N. Kocharyan, Mohammed Nurul Afsar, and Igor I. Tkachov "Millimeter-Wave Magneto-optics: New Method for characterization of Ferrites in the Millimeter-Wave Range", IEEE Transactions on Microwave theory and tech., Vol. 47, No. 12 Dec. 1999; pg. 2636-2643
↓	A16	W. Zhu, C. Bower and O. Zhou, and G. Kochanski and S Jin "Large Current Density from Carbon Nanotube Field Emitters", Applied Physics Letters, Vol. 75, No. 6, 9 Aug. 1999; pg. 873-875
2	A17	R. Tarkiainen, M. Ahlskog, J. Penttila, L. Roschier, P. Hakonen, M. Paalanen, and E. Sonin "Multiwalled Carbon Nanotube: Luttinger Versus Fermi Liquid", Physical Review B, Vol. 64, 195412, pg. 195412-1 - 195412-4

EXAMINER	David Jn	DATE CONSIDERED	8/31/04
----------	----------	-----------------	---------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



2	A18	Markus Ahiskog, Pertti Hakonen, Mikko Paalanen, Leif Roschier, and Reeta Tarkiainen "Multiwalled Carbon Nanotubes as Building Blocks in Nanoelectronics", Journal of Low Temperature Physics, Vol. 124, Nos. 1 /2, 2001; pg. 335-352
↑	A19	A. Bachtold, M. de Jonge, K. Grove-Rasmussen, and P.L. McEuen "Suppression of Tunneling into Multiwall Carbon Nanotubes", Physical Review Letters, Vol. 87, No. 16 15 Oct. 2001; pg. 166801-1 - 166801-4
↓	A20	P.J. Burke "An RF Circuit Model for Carbon Nanotubes", IEEE Transactions on Nanotechnology, Vol. 2, No. 1 March 2003; pg. 55-58
2	A21	D. B. Rutledge, S. E. Schwarz and A. T. Adams "Infrared and Submillimetre Antennas", Infrared Physics 18 Dec. 1978; pg. 713-729

EXAMINER	David UN	DATE CONSIDERED	8/31/04
----------	----------	-----------------	---------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).